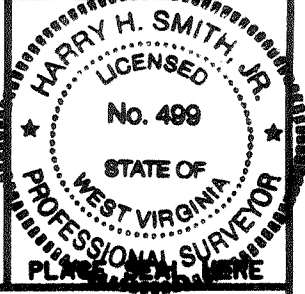


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS (7 1/2")

FILE NO. \_\_\_\_\_  
 DRAWING NO. 7096  
 SCALE 1" = 400'  
 MINIMUM DEGREE OF ACCURACY 1/200'  
 PROVEN SOURCE OF ELEVATION EXISTING WELL

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.  
 (SIGNED) [Signature]  
 R.P.E. \_\_\_\_\_ L.L.S. 429



**STATE OF WEST VIRGINIA**  
 DEPARTMENT OF ENERGY  
**OIL AND GAS DIVISION**

DATE JANUARY 8, 1998  
 OPERATOR'S WELL NO. 7096  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS," ) PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 866.0' WATER SHED Pinch Creek  
 DISTRICT Eik COUNTY Kanawha  
 QUADRANGLE Blue Creek WV COORDINATES LAT: 38°24'41" LONG: 81°28'25"

SURFACE OWNER James A. Morten ACREAGE 45.78  
 OIL & GAS ROYALTY OWNER Chester E. Ray Jr., Et Al. LEASE ACREAGE 851  
 COAL OWNER Chester E. Ray Jr., Et Al. LEASE NO. 1049098

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Storage Recondition

PLUG AND ABANDON  CLEAN OUT AND REPLUG   
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 5163'  
 WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT RICHARD L COTY  
 ADDRESS PO Box 1273, Charleston, WV 25325-1273 ADDRESS PO Box 1273, Charleston, WV 25325-1273

KANAWHA COUNTY NAME PERMIT 1250

DEEP WELL

9-6 217

FEB 20 1998

WEST VIRGINIA DEPARTMENT OF MINES  
OIL & GAS DIVISION  
W E L L R E C O R D

Permit No. Kan 1260

Gas Well  
CASING & TUBING

Glendenin Quad.

Company  
Address  
Farm

Columbian Carbon Company  
Box 873, Charleston 23, W.Va.  
Harriet Morton Acres 894  
(Jarrett Reservation)

16 61'4 Same  
13 3/8 65# 415'3 pld.  
10 1/2 mixed 1613'11 same  
8 1/2 24# 2099'7 pld.  
6 5/8 24# 5084'10 same

Location  
Well No.  
District  
Surface

Pinch Creek  
6 (GW-893) Elev. 831.0 DF  
Elk Kanawha County  
J.H. McClintic, Rec.  
Chas. Nat'l Bank, Charleston 1, W.Va.

Midget Bottom Hole  
6 5/8  
Depth 5046' SLM

Mineral  
Commenced  
Completed  
Not shot  
Open flow  
Volume  
Rock Pressure  
Oil  
Fresh Water

Same  
2-11-46  
6-6-46  
80/10ths M in 7" 22#  
14,235,000 C.F.  
1480 lbs. 3 days  
1937' 1980' shows  
237' H.F. ; 505' H.F.

Coal at 178' 24"  
236' 24"

Surface	0	15	White slate	3912	3960
Sand	15	30	Brown Shale	3960	3990
Slate	30	60	White Slate	3990	4730
Sand	60	158	Brown Shale	4730	4924
Slate	158	178	White Slate	4924	4955
-Coal	178	180	Brown Shale	4955	5032SLM
Sand	180	220	5022' DLM--5032' SLM		
Slate	220	236	Corniferous Lime	5032	SLM5148SLM
-Coal	236	238	Oriskany Sand	5148	SLM5169SLM
Slate	238	240	TOTAL DEPTH 5169' SLM		
Sand	240	308			
Black Lime	308	332	Gas 4785' show		
Slate	332	370	Gas Pays: 5165'-5169' 80/10 M 7" 22#		
Sand	370	467	14,235,000 C.F.		
Slate	467	505	CEMENT RECORD:		
Sand	505	528	2-20-46 13 3/8" casing. Ran 10 sacks		
Black Lime	528	548	aquagel and 50# Fibertex. Circulation		
Slate	548	580	while mixing. Returns at 400'.		
Sand	580	620	3-24-46 10 1/2" casing. Ran 29 sacks		
Slate	620	635	aquagel and 50# Fibertex. Circulation		
Grey Lime	635	700	960'. Returns at 1440'.		
Sand	700	753	4-4-46 8 5/8" casing. Ran 25 sacks		
Black Lime	753	780	aquagel and 2 bags fibertex. Circulation		
Sand	780	810	1625'. Returns at 1650'.		
Slate	810	817	5-26-46 6 5/8" casing. Ran 60 bags		
Lime Shells	817	840	aquagel and 4 bags fibertex. Circulation		
Slate	840	860	and returns at 1675'.		
-Sand	860	1382	Columbian Carbon Company Crew		
Slate	1382	1385			
Red Rock	1385	1390			
Slate & Shells	1390	1466			
-Mason Sand	1466	1527			
-Little Lime	1527	1554			
-Pencil Cave	1554	1559			
Big Lime	1559	1570			
Break, white slate	1570	1588			
1583' DLM-1588 SLM					
Big Lime	1588	SLM 1740			
-Big Injun	1740	1760			
Slate	1760	1765			
Red Rock	1765	1773			
Slate & Shells	1773	1832			
-Squaw Sand	1832	1845	Gas 1836' show		
Slate & Shells	1845	1880			
-Weir Sand	1880	1908			
Break	1908	1912			
Sand	1912	1995			
Slate	1995	3333	Oil 1937' show		
Brown shale	3333	3385	Oil 1980' show		
Slate & Shells	3385	3810			
Brown Shale	3810	3912	Gas 3863' show		

WP-35

12-Feb-98  
API # 47- 39-01260 F

State of West Virginia  
Division of Environmental Protection  
Section of Oil and Gas

Reviewed [Signature]

Well Operator's Report of Well Work

Farm name: MORTON, JAMES A. Operator Well No.: COCA B 7096

LOCATION: Elevation: 866.00 Quadrangle: BLUE CREEK

District: ELK County: KANAWHA  
Latitude: 1900 Feet South of 38 Deg. 25Min. 0 Sec.  
Longitude 4320 Feet West of 81 Deg. 27 Min. 30 Sec.

Company: COLUMBIA GAS TRANSMISSION  
P. O. BOX 1273  
CHARLESTON, WV 25325-1273

Agent: RICHARD L. COTY

Inspector: CARLOS HIVELY  
Permit Issued: 02/20/98  
Well work Commenced: 06/10/98  
Well work Completed: 07/28/98  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary \_\_\_\_\_ Cable \_\_\_\_\_ Rig  
Total Depth (feet) 5169'  
Fresh water depths (ft) N/A

Salt water depths (ft) N/A

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): N/A

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"		61'	
10-3/4"		1614'	
7"		5084'	
3-1/2"	9.2 lb, J-55	5140'	50 sx

OPEN FLOW DATA

5148' - 5169'

Producing formation Oriskany Storage Pay zone depth (ft) \_\_\_\_\_  
 Gas: Initial open flow N/A MCF/d Oil: Initial open flow N/A Bbl/d  
 Final open flow N/A MCF/d Final open flow N/A Bbl/d  
 Time of open flow between initial and final tests N/A Hours  
 Static rock Pressure N/A psig (surface pressure) after N/A Hours

Second producing formation \_\_\_\_\_ Pay zone depth (ft) \_\_\_\_\_  
 Gas: Initial open flow \_\_\_\_\_ MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
 Final open flow \_\_\_\_\_ MCF/d Final open flow \_\_\_\_\_ Bbl/d  
 Time of open flow between initial and final tests \_\_\_\_\_ Hours  
 Static rock Pressure \_\_\_\_\_ psig (surface pressure) after \_\_\_\_\_ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

REC'D  
Section of Oil & Gas  
Permitting

MAR 01 1999

WV Division of  
Environmental Protection

For: COLUMBIA GAS TRANSMISSION CORP.

By: [Signature]  
Date: 2/22/99

KAN 1260 F

MAR 16 1999

Cleaned out to TD and pumped an N2-Assist Deltafrac treatment using 350 bbls water, 80 MSCF N2, 300 gallons of 15% HCL, and 16,350 lbs of 20/40 sand at 1 - 3 PPG.